

S. IRRIGATION DETAILS

IRRIGATION WARRANTY DETAIL

BACKFLOW PREVENTOR (3/4" - 2")

BACKFLOW PREVENTOR (2 $\frac{1}{2}$ " – 6")

BACKFLOW PREVENTOR ENCLOSURE

DRIP BUBBLER

DRIP FILTER

DRIP REMOTE CONTROL VALVE WITH PRESSURE REGULATOR

END FLUSHING PLUG

FLOW SENSOR

GATE VALVE (3/4" - 3")

GATE VALVE (4"-6")

HIGH GAIN ANTENNA INSTALLATION

MASTER REMOTE CONTROL VALVE

METERED CONTROLLER ENCLOSURE – FRONT VIEW

METERED CONTROLLER ENCLOSURE – SIDE VIEW

PEDESTAL MOUNT CONTROLLER – COUNTY MAINTAINED

PEDESTAL MOUNT CONTROLLER - NON-COUNTY MAINTAINED

PRESSURE REGULATOR

QUICK COUPLER VALVE

REMOTE CONTROL VALVE

SHRUB ROTOR ON RISER

THRUST BLOCK

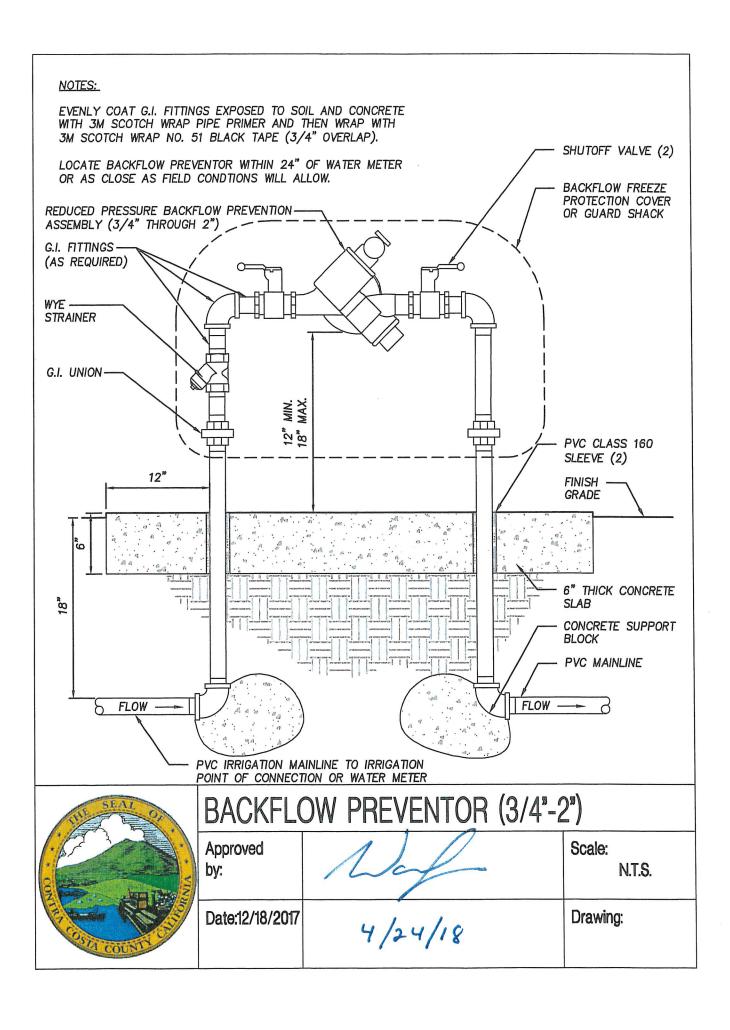
LANDSCAPE IRRIGATION SYSTEM WARRANTY

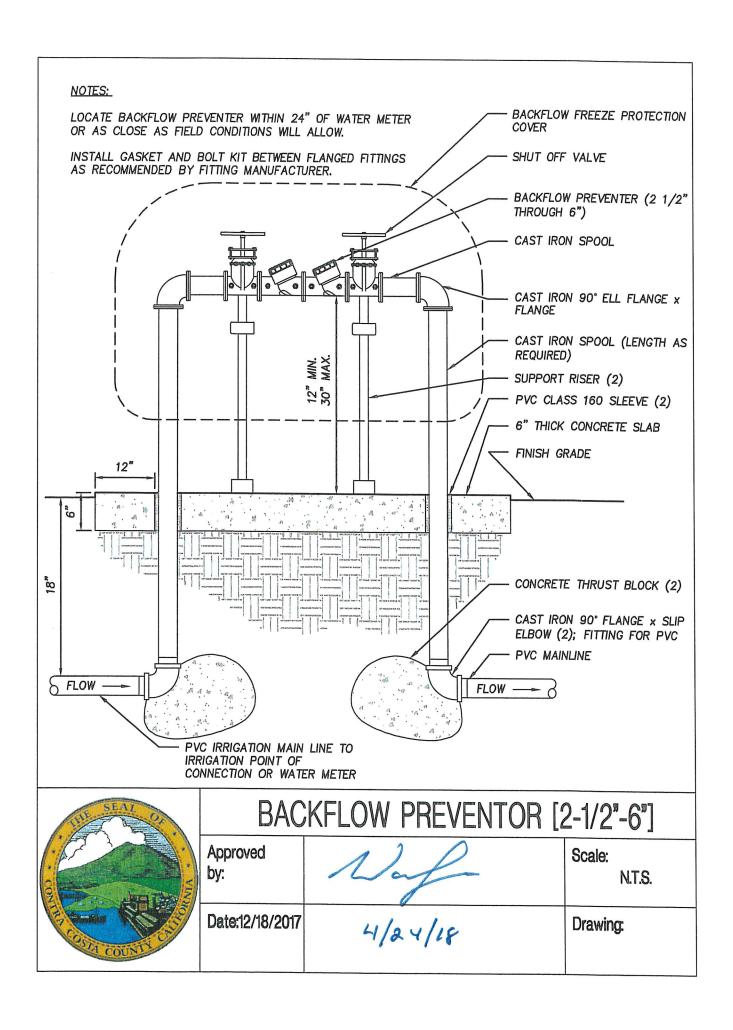
WE HEREBY GUARANTEE THAT THE LANDSCAPE IRRIGATION SYSTEM WE HAVE FURNISHED AND INSTALLED IS FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP, AND THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS AND THE CONTRA COSTA COUNTY PUBLIC WORKS DEPARTMENT LANDSCAPE STANDARDS. WE AGREE TO REPAIR OR REPLACE ANY DEFECTS IN MATERIAL OR WORKMANSHIP, ANY SETTLING OF BACKFILLED TRENCHES, WHICH MAY DEVELOP DURING THE PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. FURTHER, WE AGREE TO REPAIR OR REPLACE ANY DAMAGE CAUSED BY ANY DEFECTS IN THE LANDSCAPE IRRIGATION SYSTEM OR RESULTING FROM THE REPAIRING OR REPLACING OF SUCH DEFECTS AT NO ADDITIONAL COST TO THE COUNTY. ORDINARY WEAR AND TEAR, UNUSUAL ABUSE OR NEGLECT ARE EXCEPTED. WE SHALL MAKE SUCH REPAIRS OR REPLACEMENTS, INCLUDING COMPLETE RESTORATIOI OF ALL DAMAGED PLANTING, PAVING, OR OTHER IMPROVEMENTS OF ANY KIND WITHIN 10 DAYS OF RECEIVING WRITTEN NOTIFICATION FROM THE COUNTY. IN THE EVENT OF OUR FAILURE TO MAKE SUCH REPAIRS OR REPLACEMENTS WITHIN 10 DAYS OF WRITTEN NOTICE FROM THE COUNTY, WE AUTHORIZE THE COUNTY TO PROCEED TO HAVE SAID REPAIRS OR REPLACEMENTS MADE AT OUR EXPENSE AND WE WILL PAY THE COSTS AND CHARGES THEREFORE UPON DEMAND.

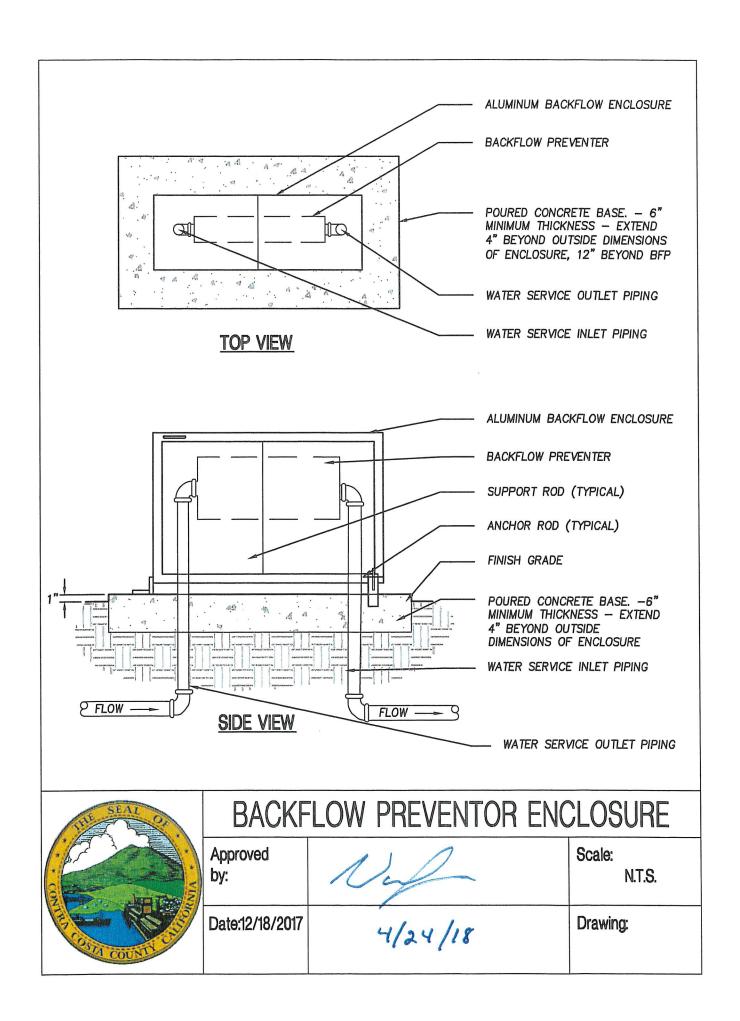
PROJECT:		
LOCATION:		
CONTRACTOR:		
ADDRESS:		
TELEPHONE:		
LICENSE NO:		
GUARANTEE PROVIDED TO:	CONTRA COSTA COUNTY PUBLIC WORKS DEPARTMENT 255 GLACIER DRIVE MARTINEZ, CA 94553-4825	
AUTHORIZED REPRESENTATIVE:		
SIGNATURE:		



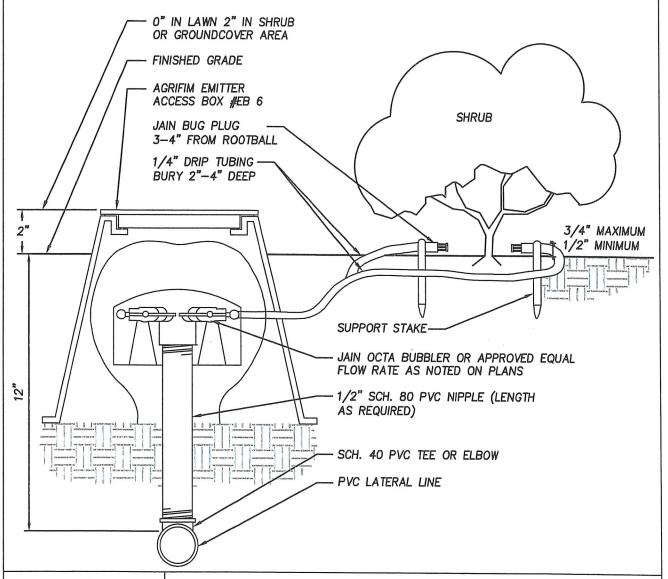
IRRIGATION WARRANTY DETAIL Approved by: Date:12/18/2017 4/24/18 Drawing:



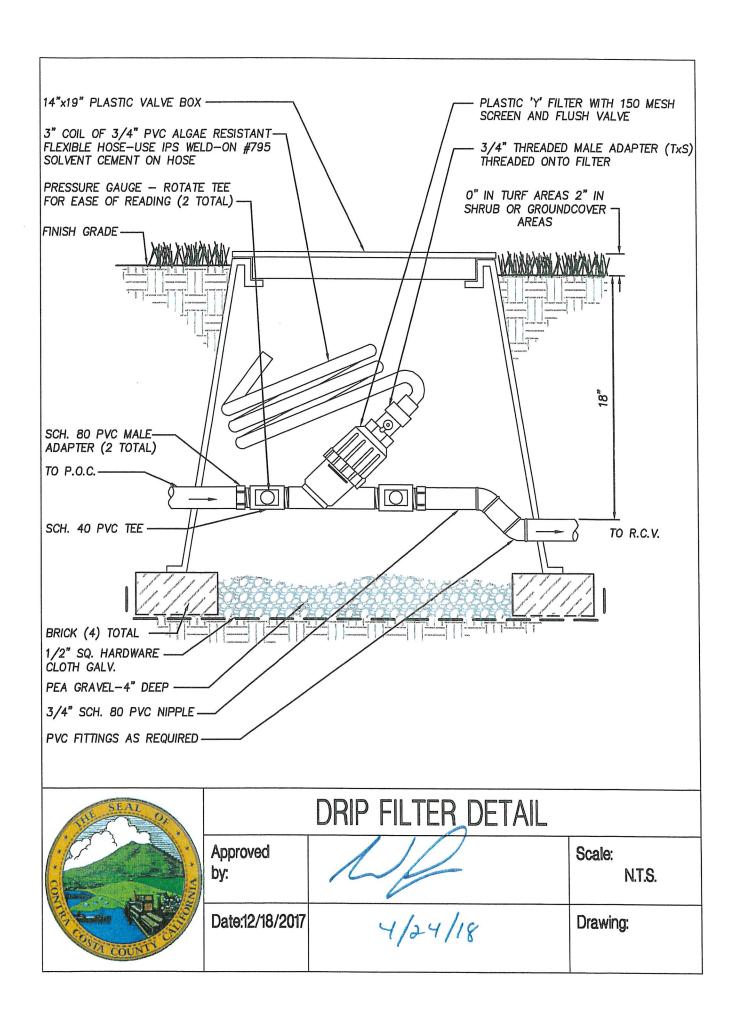


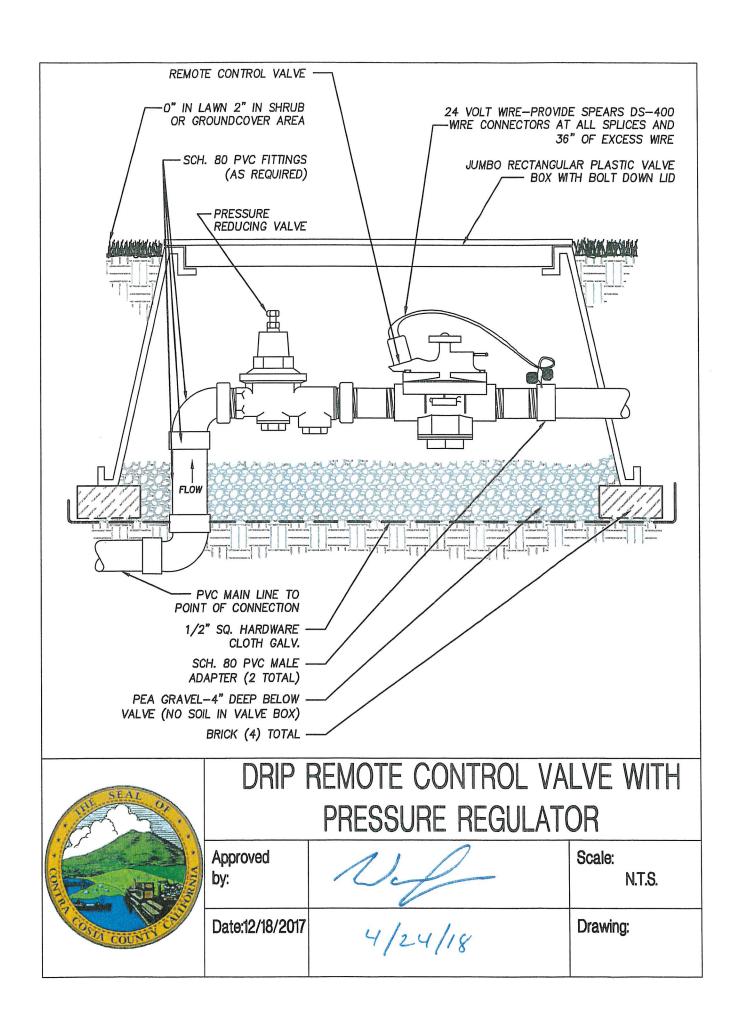


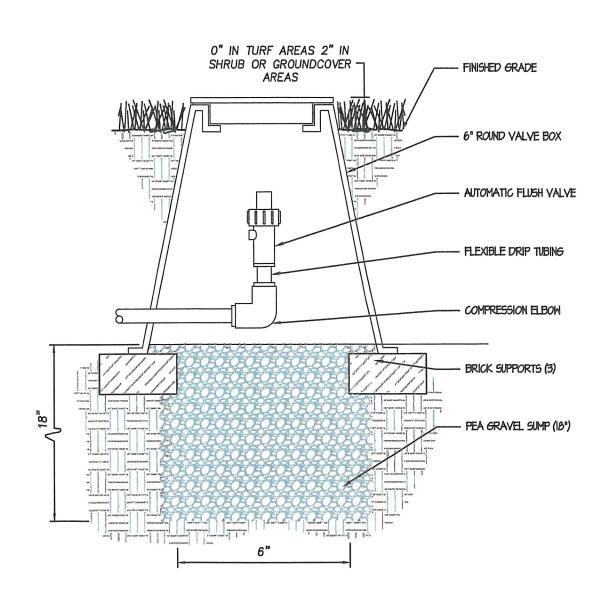
- 1. INSTALL JAIN PORT PLUG PLUGS (BA-PP-OB) ON ALL UNUSED PORTS.
- 2. APPLY TEFLON TAPE TO ALL THREADED CONNECTIONS.
- 3. REFER TO PLANS FOR NUMBER OF OUTLETS PER PLANT.
- 4. BURY ALL 1/4" TUBING BETWEEN 2-4" BELOW GRADE. COUNTY WILL NOT ACCEPT ANY PROJECTS WITH TUBING INSTALLED ON-GRADE UNDER MULCH



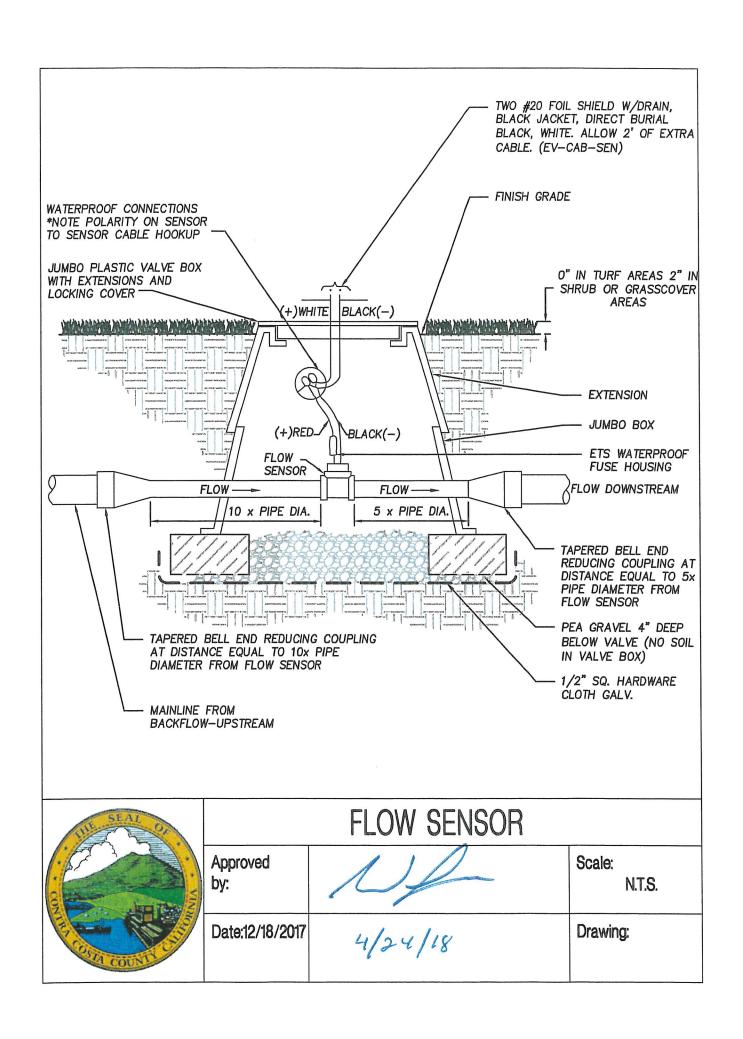
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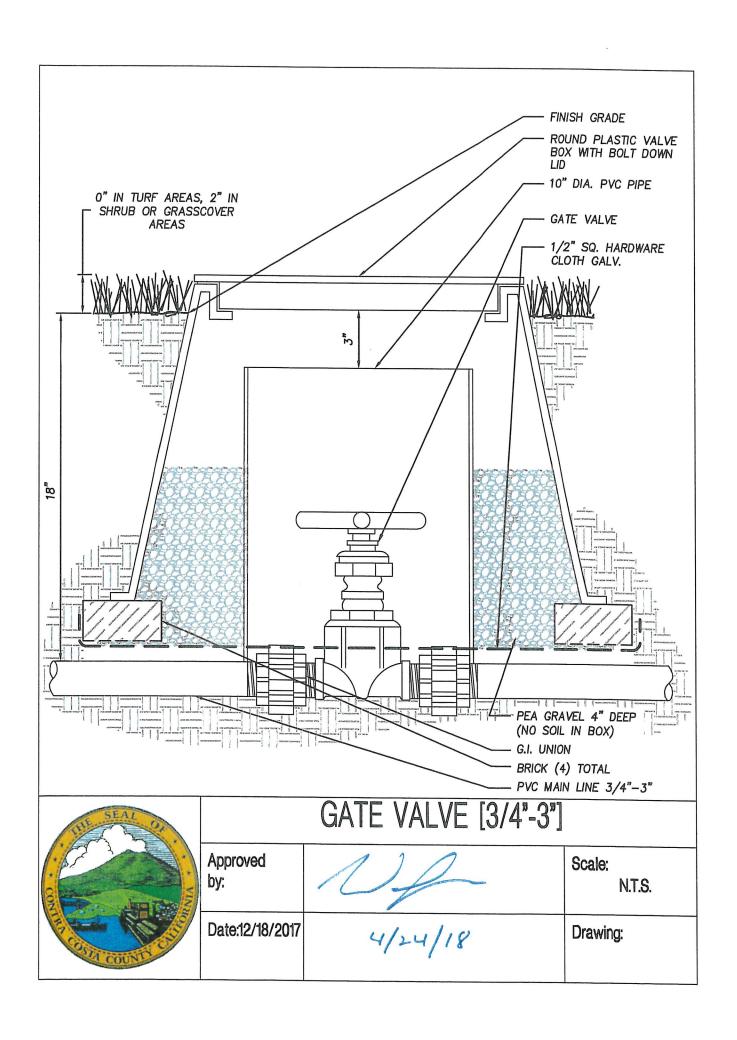


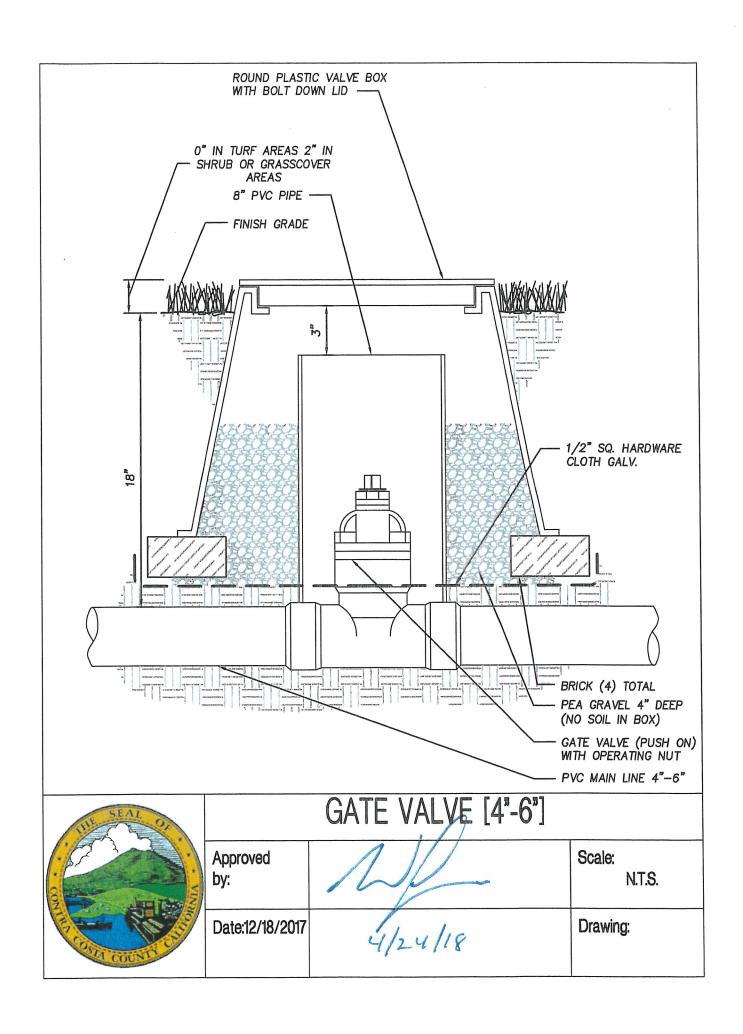


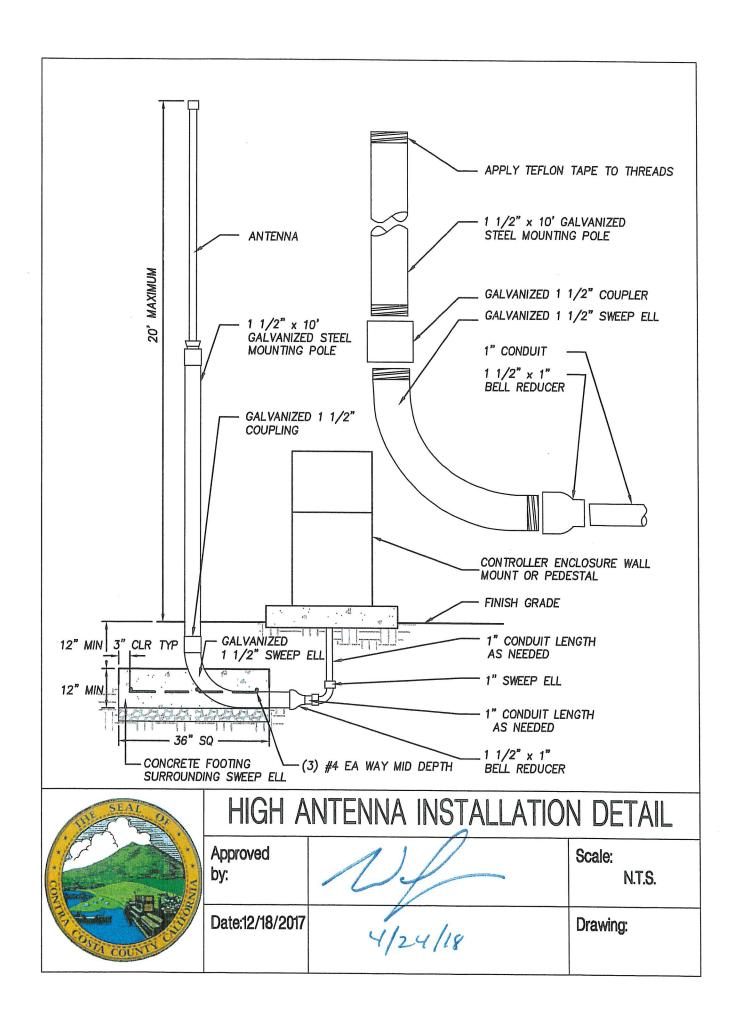


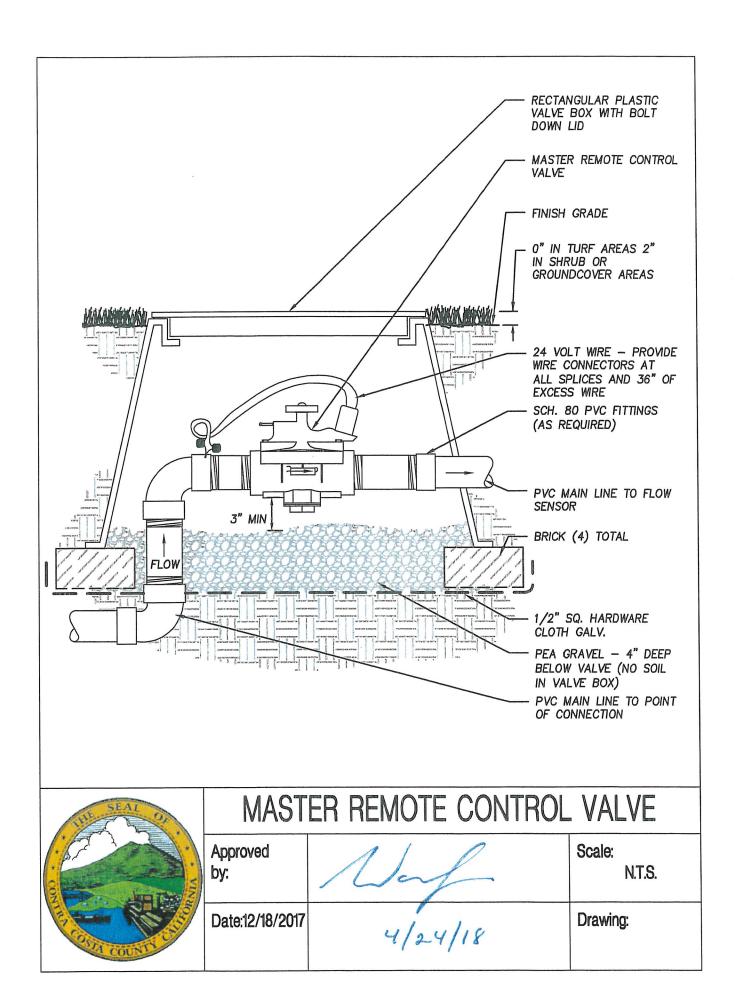
SEAL OF		DRIP END FLUSH PLUG	
CONT.	Approved by:	No	Scale: N.T.S.
THE TOTAL COUNTY BY	Date:12/18/2017	4/24/18	Drawing:

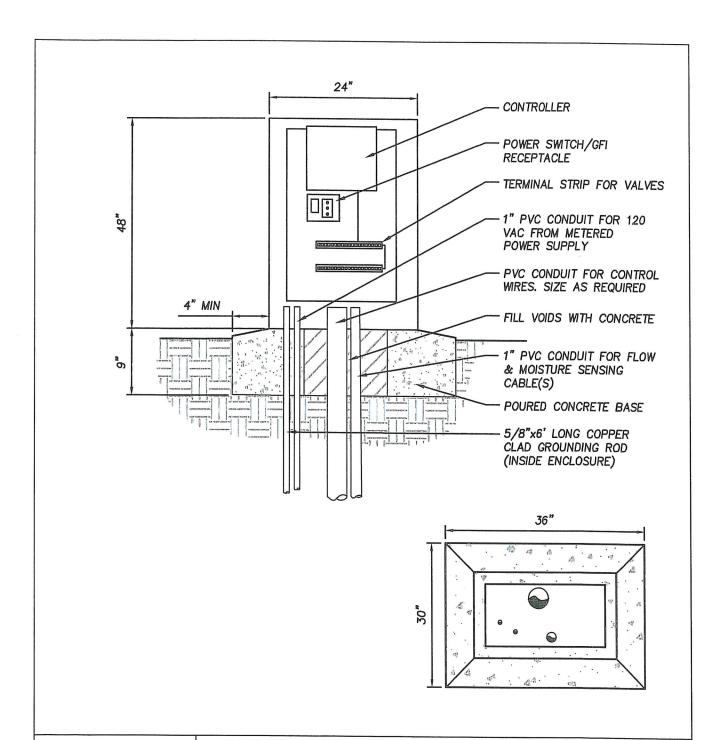


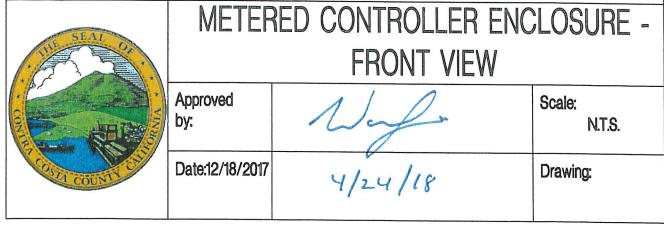


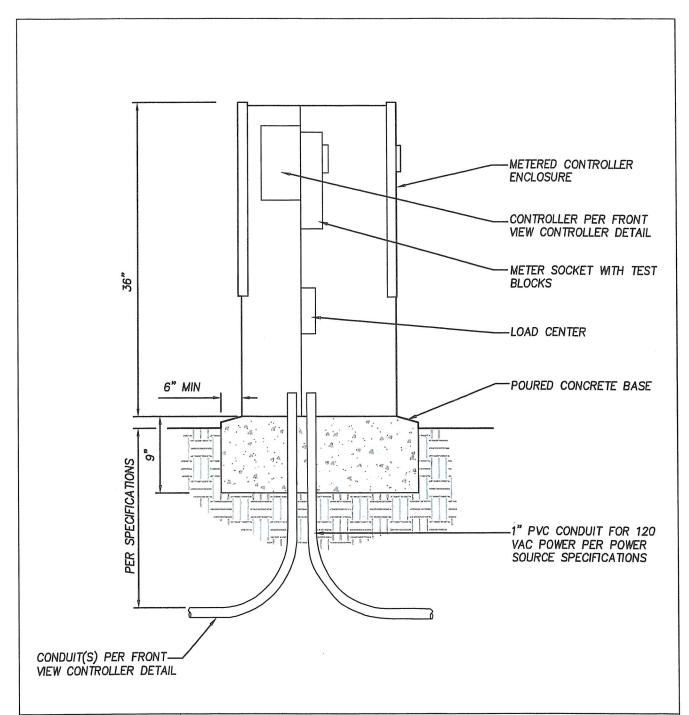








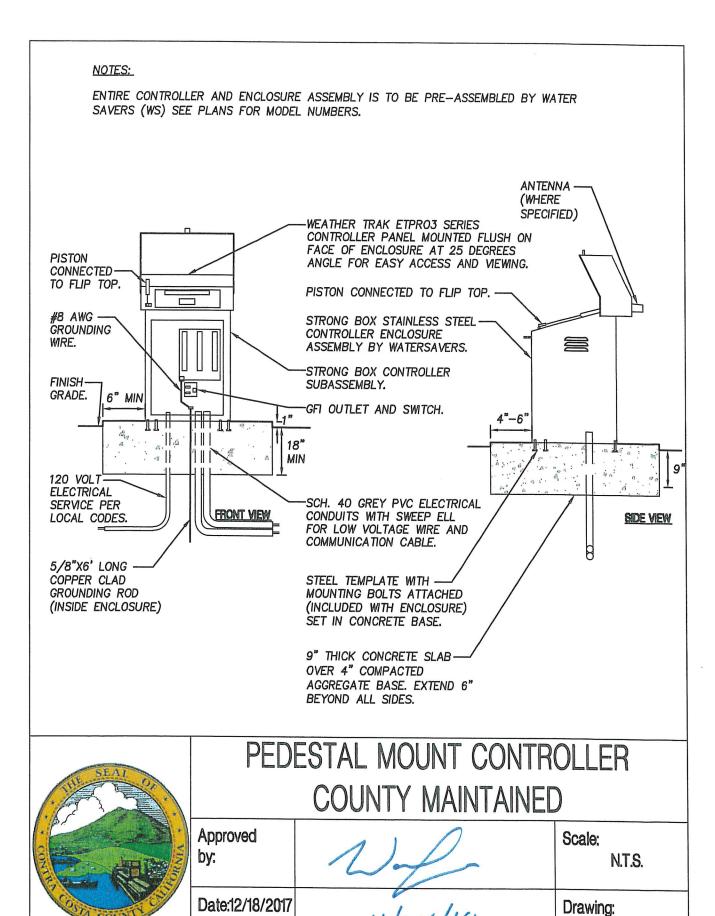


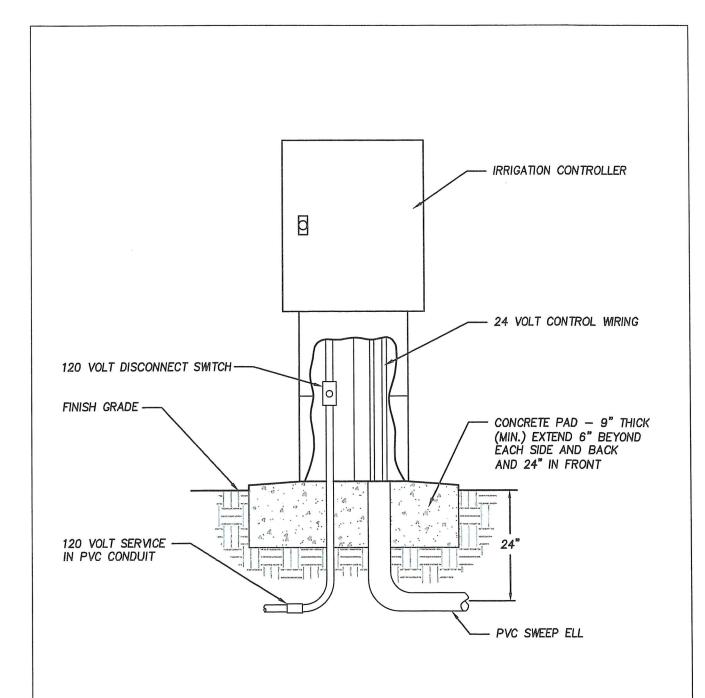




METERED CONTROLLER ENCLOSURE -SIDE VIEW

Y A	Approved by:	Nol	Scale: N.T.S.	
	Date:12/18/2017	4/24/18	Drawing:	

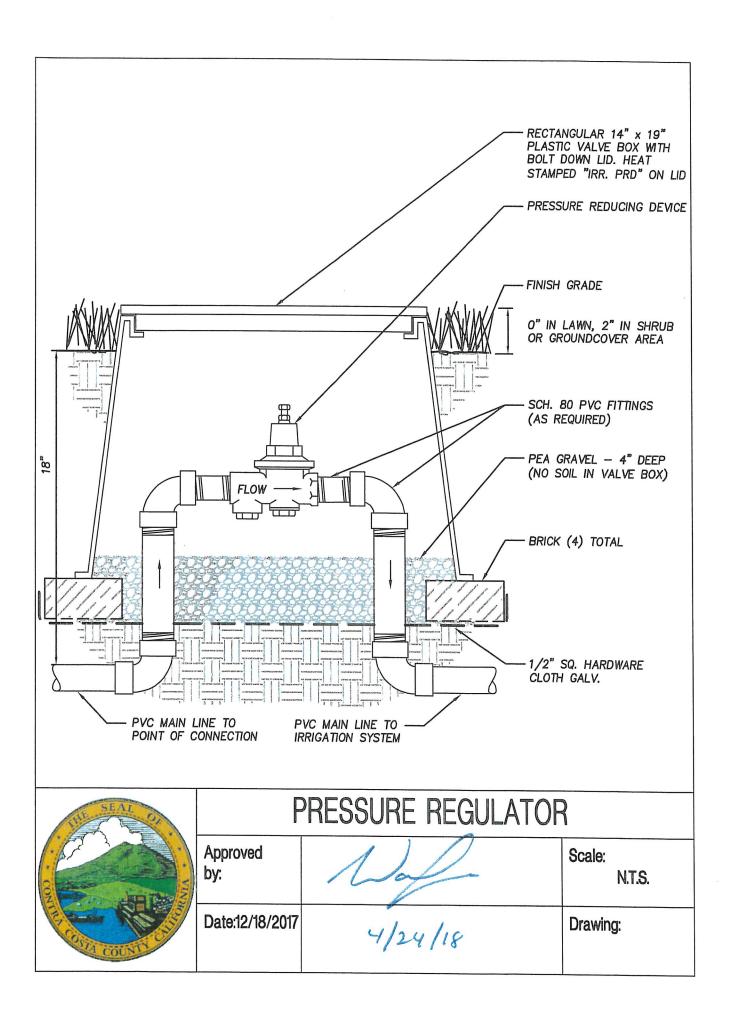


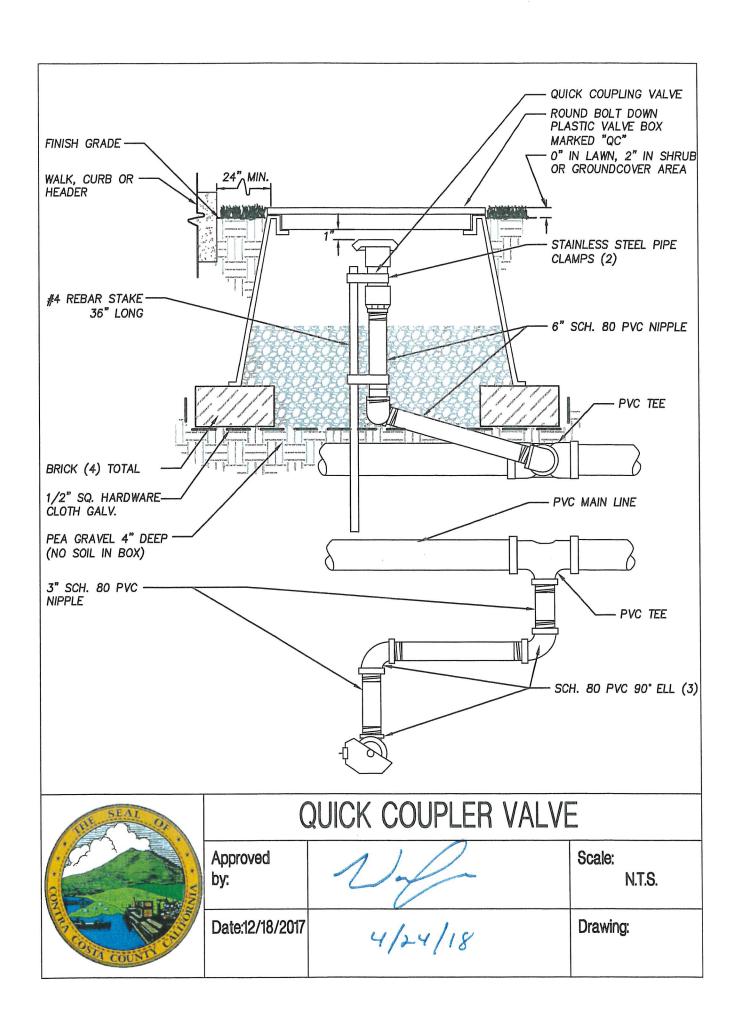


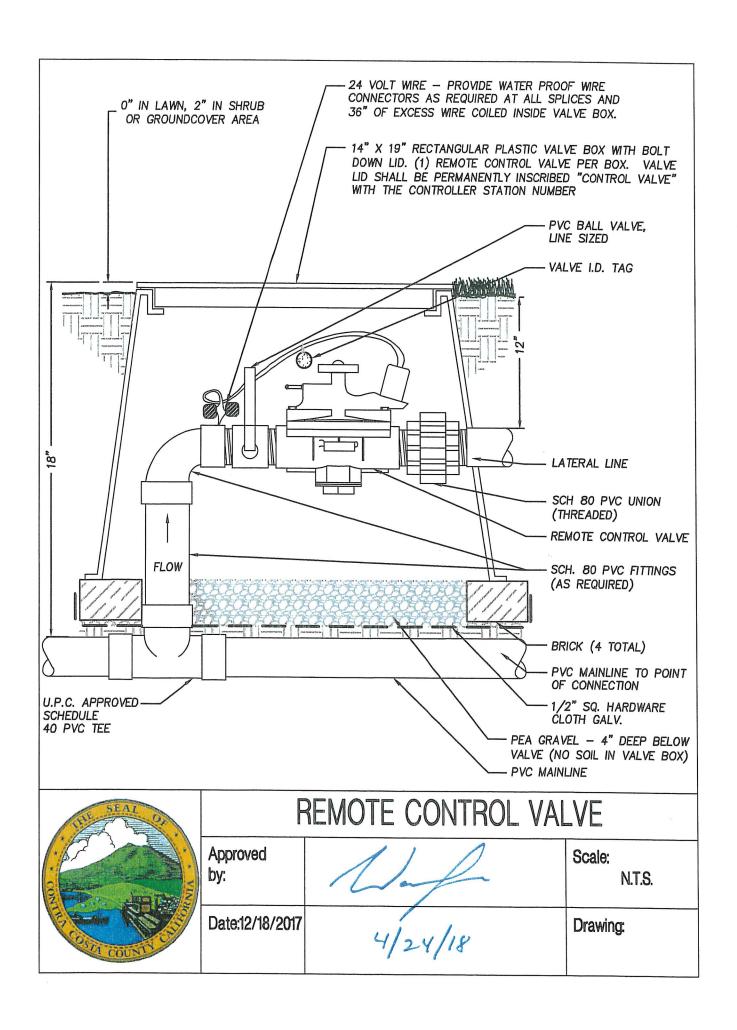


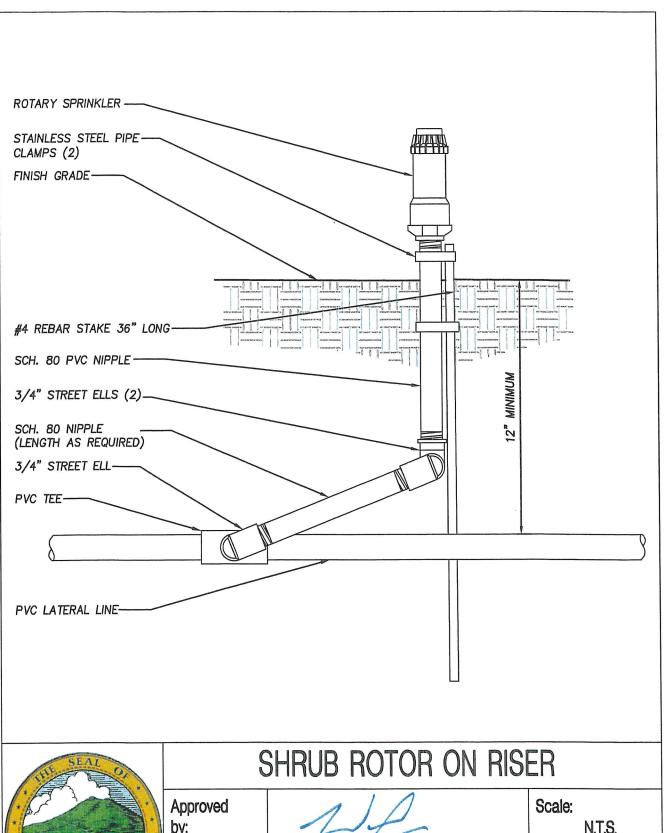
PEDESTAL MOUNT CONTROLLER NON-COUNTY MAINTAINED

VINIA .	Approved by:	Not	Scale: N.T.S.
,	Date:12/18/2017	4/24/18	Drawing:



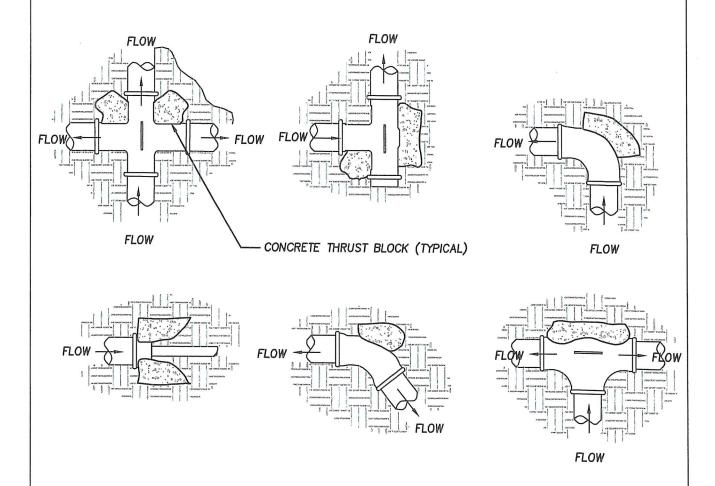






ATT SEAL OF	SHRUB ROTOR ON RISER		ER
CONTRACTOR	Approved by:	2	Scale: N.T.S.
COSTI COUNTY (TAILS)	Date:12/18/2017	4/24/18	Drawing:

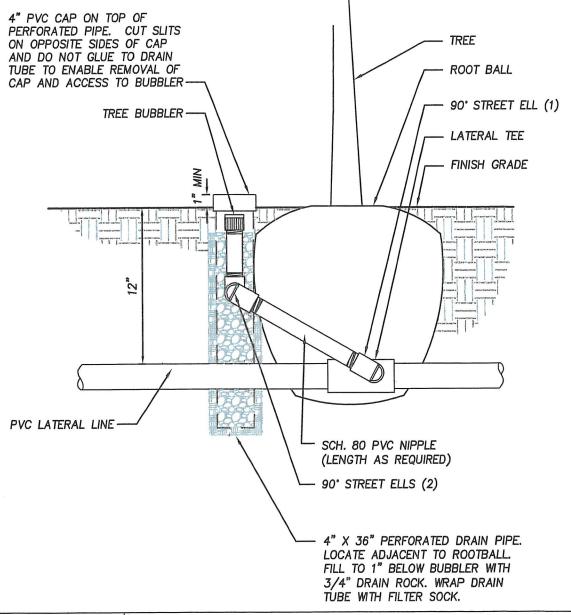
INSTALL MAIN LINE AS PER MANUFACTURERS INSTALLATION GUIDELINES. SIZE OF CONCRETE THRUST BLOCKS SHALL BE PER MANUFACTURERS INSTALLATION GUIDELINES



SEAT OF		THRUST BLOCK	
C L L L L L L L L L L L L L L L L L L L	Approved by:	1)4	Scale: N.T.S.
THE RESIDENCE OF THE PARTY OF T	Date:12/18/2017	4/24/18	Drawing:

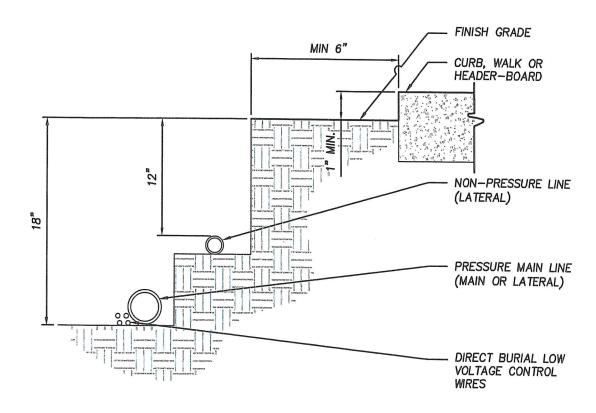


- ONE BUBBLER PER TREE TO BE PLACED UPHILL SIDE OF ROOTBALL.
- 2. TOP OF DRAIN TUBE SHALL BE AT GRADE IN LAWN AREAS AND 1" ABOVE GRADE IN SHRUB OR GROUNDCOVER AREA.

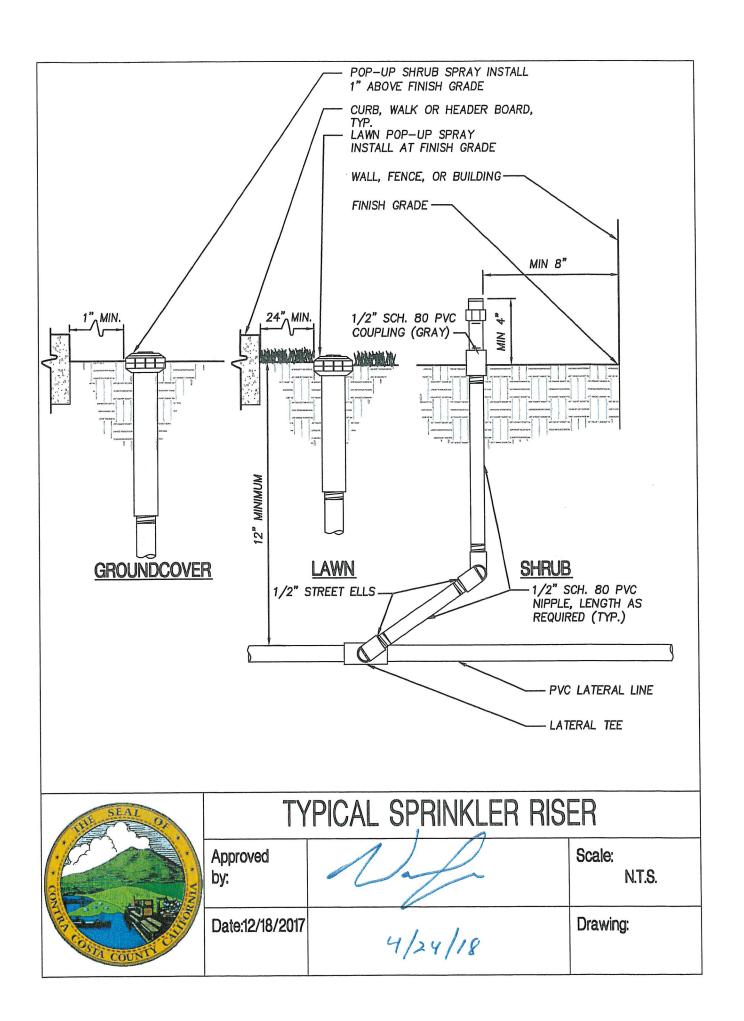


SEAL OF		TREE BUBBLER	
COL	Approved by:	Nell	Scale: N.T.S.
CHARLES TO STATE OF THE STATE O	Date:12/18/2017	4/24/18	Drawing:

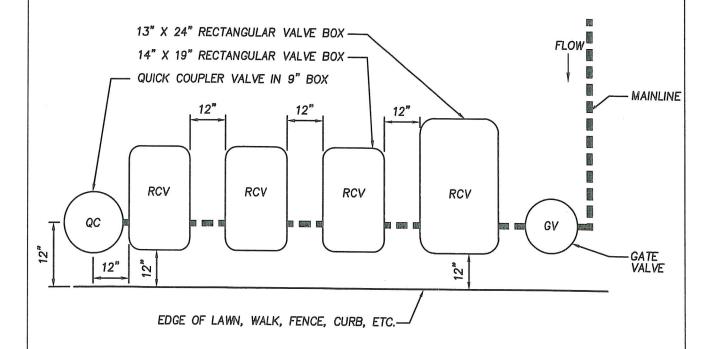
- 1. TRENCHING AND BACKFILLING SHALL BE PER STANDARD SPECIFICATIONS.
- 2. MINIMUM BACKFILL RELATIVE COMPACTION SHALL BE 90%.
- 3. BUNDLE CONTROL WIRES TOGETHER AND TAPE TO PIPE AT 10' INTERVALS.
- 4. 24" MIN. FOR ALL LINES UNDER VEHICULAR PAVING.
- 5. SNAKE ALL PIPE IN TRENCHES TO COMPENSATE FOR CONTRACTION & EXPANSION.
- 6. INSTALL SAND BACKFILL 2" BELOW AND 6" ABOVE PIPE IN ROCKY TERRAIN.



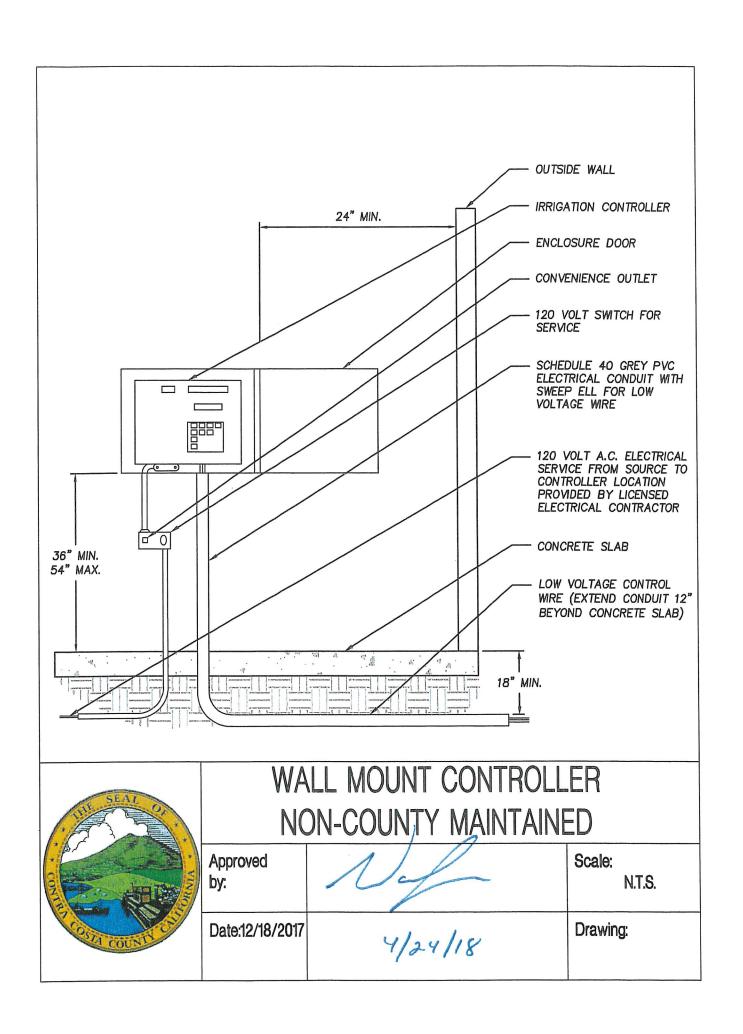
SEAL		TRENCHING	
CONTRACTOR	Approved by:	11/2	Scale: N.T.S.
2 COUNTY COUNTY	Date:12/18/2017	4/24/18	Drawing:

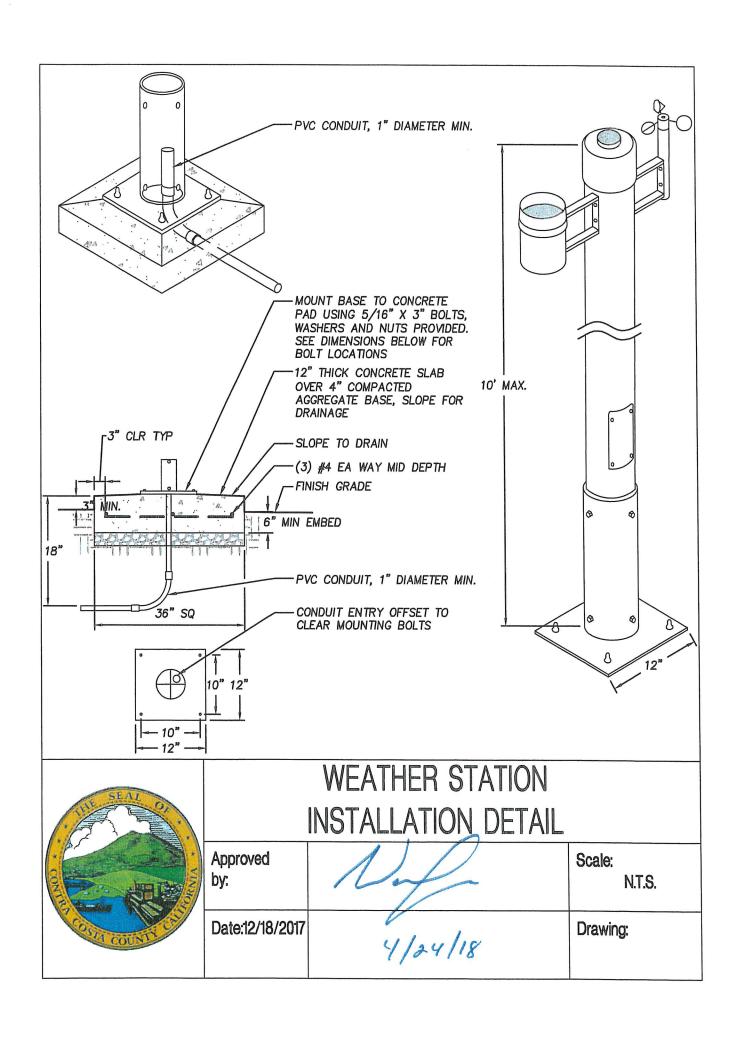


- 1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
- 2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUNDCOVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
- 3. SET RCV AND VALVE BOX ASSEMBLY IN GROUNDCOVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN AREA ONLY IF GROUNDCOVER DOES NOT EXIST ADJACENT TO LAWN.
- 4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
- AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOX EDGES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
- 6. ALL VALVE BOXES SHALL HAVE BOLT DOWN LIDS.
- 7. VALVE LID SHALL BE PERMANENTLY INSCRIBED "CONTROL VALVE" AND WITH THE CONTROLLER STATION NUMBER.

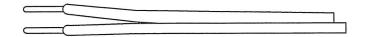


STATION		VALVE BOX	
CON	Approved by:	11/	Scale: N.T.S.
TOUNTY COUNTY CHIEF	Date:12/18/2017	4/24/18	Drawing:





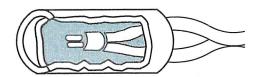
- 1. ONE CONNECTOR HANDLES #10 AWG, #12 AWG AND #14 AWG WIRES.
- 2. WIRE CONNECTORS WILL ACCEPT THREE WIRE OR TWO WIRE CONNECTIONS.
- 3. REFER TO CONTRA COSTA COUNTY STANDARDS FOR ACCEPTABLE MANUFACTURER.



STRIP WIRES APPROXIMATELY 5/8" FROM END

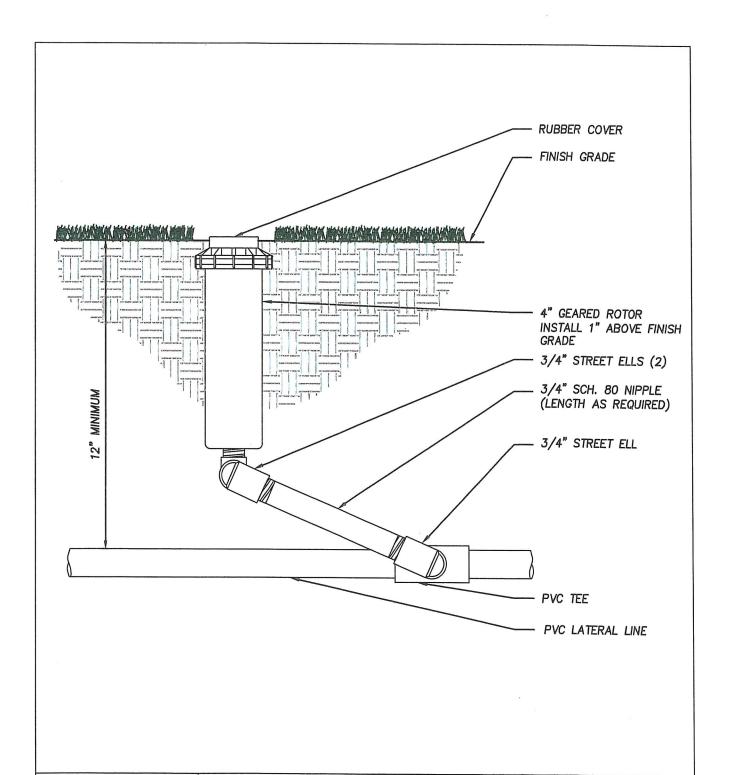


INSERT WIRES THROUGH HOLES IN BASE OF BODY

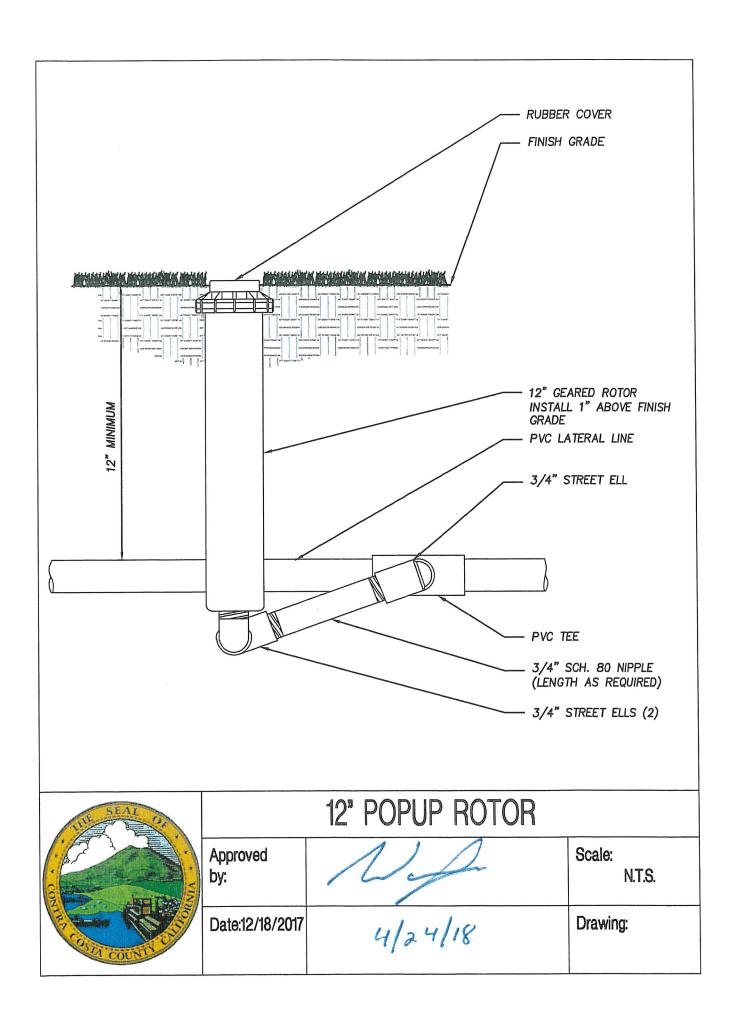


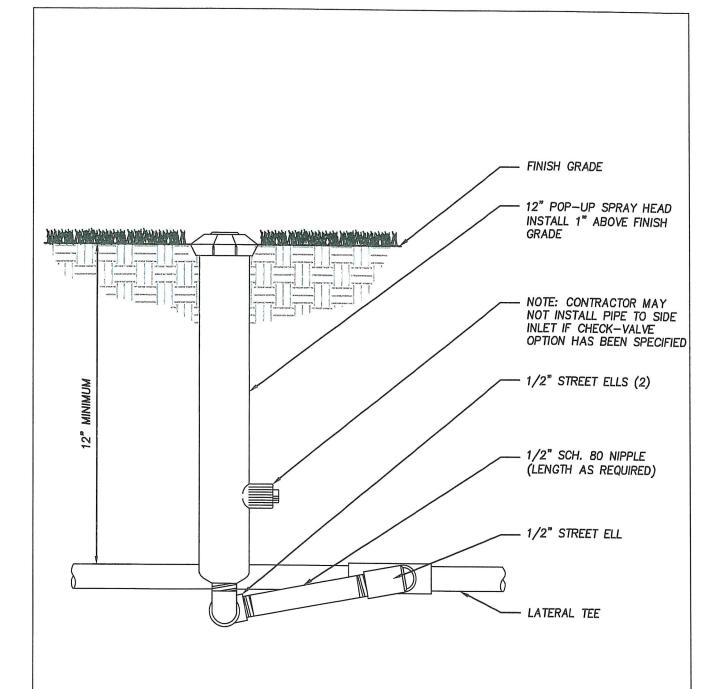
TWST STRIPPED WRES
TOGETHER AND APPLY CRIMP
SLEEVE WITH AN INDENT TYPE
CRIMPING TOOL. PUSH WRES
BACK INTO BODY. INVERT
BODY AND INSERT PLUG INTO
BODY UNTIL IT SNAPS TIGHT.

SEAT OF		WIRE CONNECTOR	
CO	Approved by:	1)	Scale: N.T.S.
CONTROL TOUR LESS OF THE PARTY	Date:12/18/2017	4/24/18	Drawing:



SEAL OF		4" POPUP ROTOR	
CO.	Approved by:	1)/	Scale: N.T.S.
STATE OF THE PARTY	Date:12/18/2017	4/24/18	Drawing:





SEAL		12" POPUP SPRINKLER	
	Approved by:		Scale: N.T.S.
COUNTY COUNTY OF	Date:12/18/2017	4/24/18	Drawing: